



ATTESTATION REPORT

Date: 2019-09-11
No.: T01607-10

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Applicant : Chiaphua Industries Ltd.
Unit A, 2/F, Chiaphua Industries Building, Nos 8-10 Siu Lek
Yuen Road, Sha Tin, New Territories, Hong Kong

Description of Sample(s) : Product name in English: THYME DISINFECTION SPRAY
Product name in Chinese: 百里香消毒噴劑
Model no.: GMTHYME; 1/128THYME
Brand name: GERMAGIC; 菌魔力, 霉菌滅
Quantity submitted: 4 bottles

Date Sample(s) Received : 2019-03-18

Date Testing : 2019-03-18 to 2019-06-28

Investigation Requested : 金屬腐蝕性.

Conclusions : Referring to Test Summary.

Remark(s) : Report content referring to SCTR No.:2019SP1434R01a.



Lee Mei Yu, Amy
Certification Officer
For and on behalf of
The Hong Kong Certification Centre Ltd



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Test Summary

1. 金屬腐蝕性試驗

一. 器材

1. 試驗樣品 : Disinfection (Thyme) 消毒劑 (百里香)
2. 金屬片 : 不鏽鋼 (規格見 GB 1220-75), 碳鋼 (規格見 GB 700-65), 鋁 (規格見 GB 1173-74), 銅 (規格見 GB 2060-80).
3. 使用儀器名稱及編號 : 電熱恆溫鼓風乾燥箱 QSP-B-D005, 電子分析天平 QSP-B-B003, 數顯卡尺 SPS001.
4. 浸泡容器 : 玻璃燒杯.

二. 方法

1. 檢測方法 : 依據<消毒技術規範>(衛生部 2002 年版) – 2.2.4 進行試驗, 每天更換消毒液.
2. 檢測條件 : 環境溫度:25°C, 相對濕度:44%.
3. 結果評價 : 基本無腐蝕: $R < 0.0100 \text{ mm/a}$; 輕度腐蝕: $0.0100 \leq R < 0.100 \text{ mm/a}$; 中度腐蝕: $0.100 \leq R < 1.00 \text{ mm/a}$; 重度腐蝕: $R \geq 1.00 \text{ mm/a}$;

三. 結果

金屬種類	試驗前平均質量 (g)	試驗後平均質量 (g)	腐蝕速率 (R) (mm/a)
碳鋼	3.4394	3.4393	0.0016
不鏽鋼	3.4755	3.4754	0.0010
銅	3.0229	3.0228	0.0020
鋁	0.9204	0.9203	0.0031
空白對照	3.4485	3.4485	0

四. 結論

送檢樣品對碳鋼, 不鏽鋼, 銅, 鋁的腐蝕程度為基本無腐蝕.



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Product Photo



***** **END OF REPORT** *****

Certification of Translation

Ectranslator Translations Services, a translation company in China, is competent to translate from Simplified Chinese into English, and certify that the translation of "Metal Corrosion Test of GERMAGIC DISINFECTANT SPRAY" is true and accurate to the best of our abilities.



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Model no.: GMTHYME; 1/128THYME
Brand name: GERMAGIC; 菌魔力, 霾菌滅
Quantity submitted: 4 bottles

Date Sample(s) received : March 18, 2019

Date Testing : Mar 18, 2019 to Jun 28, 2019

Investigation requested : Metal corrosion.

Conclusion : Refer to Test Summary.

Remark(s) : Report content refers to SCTR No.: 2019SP1434R01a

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Test Summary

1. Corrosiveness to Metal Testing

I. Equipments

1. Test sample : Disinfectant (Thyme) 消毒劑 (百里香)
2. Metal plate : Stainless steel (see GB 1220-75 for specifications), carbon steel (see GB 700-65 for specifications), aluminum (see GB 1173-74 for specifications), and copper (see GB 2060-80 for specifications).
3. Instrument and Models: : Electric Heating Constant Temperature Blast Drying Oven QSP-B-D005, Electronic analytical balances QSP-B-B003, Digital Caliper SPS001.
4. Soaking container: : Glass beaker.

II. Methods:

1. Testing method: : The test is carried out according to the Technical Standards for Disinfection (Ministry of Health, 2002 Edition) – 2.2.4, and the disinfectant is changed every day.
2. Test conditions : Ambient temperature: 25°C, Relative humidity: 44%.
3. Results evaluation : Basically no corrosion: $R < 0.0100 \text{ mm/a}$; Mild corrosion: $0.0100 \leq R < 0.100 \text{ mm/a}$; Moderate corrosion: $0.100 \leq R < 1.00 \text{ mm/a}$; Severe corrosion: $R \geq 1.00 \text{ mm/a}$;

III. Results:

Type of Metals	Average mass before test (g)	Average mass after test (g)	Corrosion rate (R) (mm/a)
Carbon steel	3.4394	3.4393	0.0016
Stainless steel	3.4755	3.4754	0.0010
Copper	3.0229	3.0228	0.0020
Aluminum	0.9204	0.9203	0.0031
Blank control	3.4485	3.4485	0

IV. Conclusions:

The corrosion degree of the submitted samples to carbon steel, stainless steel, aluminum and copper is basically non corrosive.



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*****END OF REPORT*****